

PCT09

RAW SEQUENCE LISTING

DATE: 12/04/2001

PATENT APPLICATION: US/09/979,588

TIME: 11:52:58

Input Set : A:\seqlist.txt

Output Set: N:\CRF3\11212001\I979588.raw

p.5

2 <110> APPLICANT: Bolger, Graeme B.
 3 Houslay, Miles D.
 4 Steele, Michael R.
 5 Yarwood, Stephen J.
 7 <120> TITLE OF INVENTION: Interaction of the Cyclic-AMP-Specific
 8 Phosphodiesterase PDE4D5 with RACK1
 10 <130> FILE REFERENCE: T9046.PCT
 C--> 12 <140> CURRENT APPLICATION NUMBER: US/09/979,588
 C--> 14 <141> CURRENT FILING DATE: 2001-11-16
 16 <150> PRIOR APPLICATION NUMBER: US 60/135,035
 18 <151> PRIOR FILING DATE: 1999-05-20
 20 <160> NUMBER OF SEQ ID NOS: 51
 22 <170> SOFTWARE: WordPerfect 8.0
 24 <210> SEQ ID NO: 1
 26 <211> LENGTH: 88
 28 <212> TYPE: PRT
 30 <213> ORGANISM: Homo sapiens
 32 <400> SEQUENCE: 1
 34 Met Ala Gln Gln Thr Ser Pro Asp Thr Leu Thr Val Pro Glu Val
 35 1 5 10 15
 37 Asp Asn Pro His Cys Pro Asn Pro Trp Leu Asn Glu Asp Leu Val
 38 20 25 30
 40 Lys Ser Leu Arg Glu Asn Leu Leu Gln His Glu Lys Ser Lys Thr
 41 35 40 45
 43 Ala Arg Lys Ser Val Ser Pro Lys Leu Ser Pro Val Ile Ser Pro
 44 50 55 60
 46 Arg Asn Ser Pro Arg Leu Leu Arg Arg Met Leu Leu Ser Ser Asn
 47 65 70 75
 49 Ile Pro Lys Gln Arg Arg Phe Thr Val Ala His Thr Cys
 50 80 85
 52 <210> SEQ ID NO: 2
 54 <211> LENGTH: 88
 56 <212> TYPE: PRT
 58 <213> ORGANISM: Homo sapiens
 60 <400> SEQUENCE: 2
 62 Met Ala Gln Gln Thr Ser Pro Asp Thr Leu Thr Ala Pro Glu Val
 63 1 5 10 15
 65 Asp Asn Pro His Cys Pro Asn Pro Trp Leu Asn Glu Asp Leu Val
 66 20 25 30
 68 Lys Ser Leu Arg Glu Asn Leu Leu Gln His Glu Lys Ser Lys Thr
 69 35 40 45
 71 Ala Arg Lys Ser Val Ser Pro Lys Leu Ser Pro Val Ile Ser Pro
 72 50 55 60
 74 Arg Asn Ser Pro Arg Leu Leu Arg Arg Met Leu Leu Ser Ser Asn
 75 65 70 75
 77 Ile Pro Lys Gln Arg Arg Phe Thr Val Ala His Thr Cys
 78 80 85

ENTERED

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80 <210> SEQ ID NO: 3
82 <211> LENGTH: 88
84 <212> TYPE: PRT
86 <213> ORGANISM: Homo sapiens
88 <400> SEQUENCE: 3
90   Met Ala Gln Gln Thr Ser Pro Asp Thr Leu Thr Val Pro Glu Val
91       1           5           10           15
93   Asp Ala Pro His Cys Pro Asn Pro Trp Leu Asn Glu Asp Leu Val
94           20           25           30
96   Lys Ser Leu Arg Glu Asn Leu Leu Gln His Glu Lys Ser Lys Thr
97           35           40           45
99   Ala Arg Lys Ser Val Ser Pro Lys Leu Ser Pro Val Ile Ser Pro
100          50           55           60
102   Arg Asn Ser Pro Arg Leu Leu Arg Arg Met Leu Leu Ser Ser Asn
103          65           70           75
105   Ile Pro Lys Gln Arg Arg Phe Thr Val Ala His Thr Cys
106          80           85
108 <210> SEQ ID NO: 4
110 <211> LENGTH: 88
112 <212> TYPE: PRT
114 <213> ORGANISM: Homo sapiens
116 <400> SEQUENCE: 4
118   Met Ala Gln Gln Thr Ser Pro Asp Thr Leu Thr Val Pro Glu Val
119       1           5           10           15
121   Asp Asn Ala His Cys Pro Asn Pro Trp Leu Asn Glu Asp Leu Val
122           20           25           30
124   Lys Ser Leu Arg Glu Asn Leu Leu Gln His Glu Lys Ser Lys Thr
125           35           40           45
127   Ala Arg Lys Ser Val Ser Pro Lys Leu Ser Pro Val Ile Ser Pro
128          50           55           60
130   Arg Asn Ser Pro Arg Leu Leu Arg Arg Met Leu Leu Ser Ser Asn
131          65           70           75
133   Ile Pro Lys Gln Arg Arg Phe Thr Val Ala His Thr Cys
134          80           85
136 <210> SEQ ID NO: 5
138 <211> LENGTH: 88
140 <212> TYPE: PRT
142 <213> ORGANISM: Homo sapiens
144 <400> SEQUENCE: 5
146   Met Ala Gln Gln Thr Ser Pro Asp Thr Leu Thr Val Pro Glu Val
147       1           5           10           15
149   Asp Asn Pro His Cys Ala Asn Pro Trp Leu Asn Glu Asp Leu Val
150           20           25           30
152   Lys Ser Leu Arg Glu Asn Leu Leu Gln His Glu Lys Ser Lys Thr
153           35           40           45
155   Ala Arg Lys Ser Val Ser Pro Lys Leu Ser Pro Val Ile Ser Pro
156          50           55           60
158   Arg Asn Ser Pro Arg Leu Leu Arg Arg Met Leu Leu Ser Ser Asn
159          65           70           75

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161      Ile Pro Lys Gln Arg Arg Phe Thr Val Ala His Thr Cys
162                                80                                85
164 <210> SEQ ID NO: 6
166 <211> LENGTH: 88
168 <212> TYPE: PRT
170 <213> ORGANISM: Homo sapiens
172 <400> SEQUENCE: 6
174      Met Ala Gln Gln Thr Ser Pro Asp Thr Leu Thr Val Pro Glu Val
175      1                                5                                10                                15
177      Asp Asn Pro His Cys Pro Ala Pro Trp Leu Asn Glu Asp Leu Val
178                                20                                25                                30
180      Lys Ser Leu Arg Glu Asn Leu Leu Gln His Glu Lys Ser Lys Thr
181                                35                                40                                45
183      Ala Arg Lys Ser Val Ser Pro Lys Leu Ser Pro Val Ile Ser Pro
184                                50                                55                                60
186      Arg Asn Ser Pro Arg Leu Leu Arg Arg Met Leu Leu Ser Ser Asn
187                                65                                70                                75
189      Ile Pro Lys Gln Arg Arg Phe Thr Val Ala His Thr Cys
190                                80                                85
192 <210> SEQ ID NO: 7
194 <211> LENGTH: 88
196 <212> TYPE: PRT
198 <213> ORGANISM: Homo sapiens
200 <400> SEQUENCE: 7
202      Met Ala Gln Gln Thr Ser Pro Asp Thr Leu Thr Val Pro Glu Val
203      1                                5                                10                                15
205      Asp Asn Pro His Cys Pro Asn Ala Trp Leu Asn Glu Asp Leu Val
206                                20                                25                                30
208      Lys Ser Leu Arg Glu Asn Leu Leu Gln His Glu Lys Ser Lys Thr
209                                35                                40                                45
211      Ala Arg Lys Ser Val Ser Pro Lys Leu Ser Pro Val Ile Ser Pro
212                                50                                55                                60
214      Arg Asn Ser Pro Arg Leu Leu Arg Arg Met Leu Leu Ser Ser Asn
215                                65                                70                                75
217      Ile Pro Lys Gln Arg Arg Phe Thr Val Ala His Thr Cys
218                                80                                85
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222 <211> LENGTH: 88
224 <212> TYPE: PRT
226 <213> ORGANISM: Homo sapiens
228 <400> SEQUENCE: 8
230      Met Ala Gln Gln Thr Ser Pro Asp Thr Leu Thr Val Pro Glu Val
231      1                                5                                10                                15
233      Asp Asn Pro His Cys Pro Asn Pro Ala Leu Asn Glu Asp Leu Val
234                                20                                25                                30
236      Lys Ser Leu Arg Glu Asn Leu Leu Gln His Glu Lys Ser Lys Thr
237                                35                                40                                45
239      Ala Arg Lys Ser Val Ser Pro Lys Leu Ser Pro Val Ile Ser Pro
240                                50                                55                                60

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Input Set : A:\seqlist.txt

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242      Arg Asn Ser Pro Arg Leu Leu Arg Arg Met Leu Leu Ser Ser Asn
243              65              70              75
245      Ile Pro Lys Gln Arg Arg Phe Thr Val Ala His Thr Cys
246              80              85
248 <210> SEQ ID NO: 9
250 <211> LENGTH: 88
252 <212> TYPE: PRT
254 <213> ORGANISM: Homo sapiens
256 <400> SEQUENCE: 9
258      Met Ala Gln Gln Thr Ser Pro Asp Thr Leu Thr Val Pro Glu Val
259      1              5              10              15
261      Asp Asn Pro His Cys Pro Asn Pro Trp Ala Asn Glu Asp Leu Val
262              20              25              30
264      Lys Ser Leu Arg Glu Asn Leu Leu Gln His Glu Lys Ser Lys Thr
265              35              40              45
267      Ala Arg Lys Ser Val Ser Pro Lys Leu Ser Pro Val Ile Ser Pro
268              50              55              60
270      Arg Asn Ser Pro Arg Leu Leu Arg Arg Met Leu Leu Ser Ser Asn
271              65              70              75
273      Ile Pro Lys Gln Arg Arg Phe Thr Val Ala His Thr Cys
274              80              85
276 <210> SEQ ID NO: 10
278 <211> LENGTH: 88
280 <212> TYPE: PRT
282 <213> ORGANISM: Homo sapiens
284 <400> SEQUENCE: 10
286      Met Ala Gln Gln Thr Ser Pro Asp Thr Leu Thr Val Pro Glu Val
287      1              5              10              15
289      Asp Asn Pro His Cys Pro Asn Pro Trp Leu Ala Glu Asp Leu Val
290              20              25              30
292      Lys Ser Leu Arg Glu Asn Leu Leu Gln His Glu Lys Ser Lys Thr
293              35              40              45
295      Ala Arg Lys Ser Val Ser Pro Lys Leu Ser Pro Val Ile Ser Pro
296              50              55              60
298      Arg Asn Ser Pro Arg Leu Leu Arg Arg Met Leu Leu Ser Ser Asn
299              65              70              75
301      Ile Pro Lys Gln Arg Arg Phe Thr Val Ala His Thr Cys
302              80              85
304 <210> SEQ ID NO: 11
306 <211> LENGTH: 88
308 <212> TYPE: PRT
310 <213> ORGANISM: Homo sapiens
312 <400> SEQUENCE: 11
314      Met Ala Gln Gln Thr Ser Pro Asp Thr Leu Thr Val Pro Glu Val
315      1              5              10              15
317      Asp Asn Pro His Cys Pro Asn Pro Trp Leu Asn Ala Asp Leu Val
318              20              25              30
320      Lys Ser Leu Arg Glu Asn Leu Leu Gln His Glu Lys Ser Lys Thr
321              35              40              45

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Input Set : A:\seqlist.txt

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323      Ala Arg Lys Ser Val Ser Pro Lys Leu Ser Pro Val Ile Ser Pro
324              50                      55                      60
326      Arg Asn Ser Pro Arg Leu Leu Arg Arg Met Leu Leu Ser Ser Asn
327              65                      70                      75
329      Ile Pro Lys Gln Arg Arg Phe Thr Val Ala His Thr Cys
330              80                      85
332 <210> SEQ ID NO: 12
334 <211> LENGTH: 77
336 <212> TYPE: PRT
338 <213> ORGANISM: Homo sapiens
340 <400> SEQUENCE: 12
342      Val Pro Glu Val Asp Asn Pro His Cys Pro Asn Pro Trp Leu Asn
343              1                      5                      10                      15
345      Glu Asp Leu Val Lys Ser Leu Arg Glu Asn Leu Leu Gln His Glu
346              20                      25                      30
348      Lys Ser Lys Thr Ala Arg Lys Ser Val Ser Pro Lys Leu Ser Pro
349              35                      40                      45
351      Val Ile Ser Pro Arg Asn Ser Pro Arg Leu Leu Arg Arg Met Leu
352              50                      55                      60
354      Leu Ser Ser Asn Ile Pro Lys Gln Arg Arg Phe Thr Val Ala His
355              65                      70                      75
357      Thr Cys
359 <210> SEQ ID NO: 13
361 <211> LENGTH: 59
363 <212> TYPE: PRT
365 <213> ORGANISM: Homo sapiens
367 <400> SEQUENCE: 13
369      Val Lys Ser Leu Arg Glu Asn Leu Leu Gln His Glu Lys Ser Lys
370              1                      5                      10                      15
372      Thr Ala Arg Lys Ser Val Ser Pro Lys Leu Ser Pro Val Ile Ser
373              20                      25                      30
375      Pro Arg Asn Ser Pro Arg Leu Leu Arg Arg Met Leu Leu Ser Ser
376              35                      40                      45
378      Asn Ile Pro Lys Gln Arg Arg Phe Thr Val Ala His Thr Cys
379              50                      55
381 <210> SEQ ID NO: 14
383 <211> LENGTH: 39
385 <212> TYPE: PRT
387 <213> ORGANISM: Homo sapiens
389 <400> SEQUENCE: 14
391      Val Ser Pro Lys Leu Ser Pro Val Ile Ser Pro Arg Asn Ser Pro
392              1                      5                      10                      15
394      Arg Leu Leu Arg Arg Met Leu Leu Ser Ser Asn Ile Pro Lys Gln
395              20                      25                      30
397      Arg Arg Phe Thr Val Ala His Thr Cys
398              35
400 <210> SEQ ID NO: 15
402 <211> LENGTH: 19
404 <212> TYPE: PRT

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→ Use of n and/or Xaa has been detected in the Sequence Listing.
Review the Sequence Listing to insure a corresponding
explanation is presented in the <220> to <223> fields of
each sequence using n or Xaa.

VERIFICATION SUMMARY

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Input Set : A:\seqlist.txt

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L:12 M:270 C: Current Application Number differs, Replaced Current Application Number

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:1043 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51